			DB	Time stamp
L Number	Hits		USPAT;	2003/07/31 15:46
-	107248	texture or textural	US-PGPUB;	
	ļ		EPO; JPO;	
1			DERWENT;	
	1		IBM_TDB	12-12-12-16-26
	1	and mark (pels) or pixel\$1	USPAT;	2003/07/31 16:26
1- 1	17071	(mean or average\$1) near6 (pel\$1 or pixel\$1	US-PGPUB;	·
		or (picture adj element\$1))	EPO; JPO;	
1			DERWENT;	
			IBM_TDB	
		l\ and I/mean or	USPAT;	2003/07/31 15:47
1 -	1824	(texture or textural) and ((mean or	US-PGPUB;	
		average\$1) near6 (pel\$1 or pixel\$1 or	EPO; JPO;	
		(picture adj element\$1)))	DERWENT;	
			IBM_TDB	1 - 101 15 05
		(mean or	USPAT;	2003/07/31 16:26
-	368	(texture or textural) same ((mean or average\$1) near6 (pel\$1 or pixel\$1 or	US-PGPUB;	1
	,	average\$1) near6 (per\$1 or primary	EPO; JPO;	1
	i '	(picture adj element\$1)))	DERWENT;	
	1		IBM_TDB	1 45. 50
			USPAT;	2003/07/31 15:50
_	32	garbor\$1	US-PGPUB;	1
1	ļ		EPO; JPO;	
			DERWENT;	
1			IBM TDB	
	1	to an approach with	USPAT;	2003/07/31 16:12
1_	12309	(filter\$1 or gabor\$1 or wavelet\$1) with	US-PGPUB;	1
		(scale\$1)	EPO; JPO;	1
	ļ		DERWENT;	
			IBM TDB	
]	1	to with	USPAT;	2003/07/31 15:52
\ <u>-</u>	5853	(filter\$1 or gabor\$1 or wavelet\$1) with	US-PGPUB;	
		(orientation\$1)	EPO; JPO;	1
	l l		DERWENT;	1
			IBM TDB	
1		to the second of	USPAT;	2003/07/31 15:52
1_	129	((filter\$1 or gabor\$1 or wavelet\$1) with	US-PGPUB;	
		\ (ccaled1) same { (Illter51 Or gabory 0-	EPO; JPO;	
		<pre>wavelet\$1) with (orientation\$1))</pre>	DERWENT;	
		· ·	IBM TDB	
	1	(mal¢1 or nivel\$1		2003/07/31 15:52
_	24	((mean or average\$1) near6 (pel\$1 or pixel\$1)	US-PGPUB;	
-	Ì	/-i sture add elementall// and ((12220007	EPO; JPO;	
			DERWENT;	1
		same ((filter\$1 or gabor\$1 or wavelet\$1)	IBM TDB	1
		: (oriontationSl))	USPAT;	2003/07/31 16:04
_		6 ((texture or textural) same ((mean or	US-PGPUB;	
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1			IBM_TDB	
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1	1	1 : (orientations1))) NOT (((CEXCUIC Or		
	1	towtural) same ((mean or averages)) near		
	Ì	l / lai em mivelei or (picture au)		1
ļ		I a		
1	1	wavelets1) with (scales1)/ same (\111004+		Į.
	ł	or gabor\$1 or wavelet\$1) with	į	
1	1	(orientation\$1))))		

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, , <del>,</del>			1(1)(h)	USPAT;	2003/07/31 17:05
_		46	(((filter\$1 or gabor\$1 or wavelet\$1) with	US-PGPUB;	
	]		(((filters) of gabors or (scale\$1)) same ((filter\$1 or gabor\$1 or wavelet\$1) with (orientation\$1))) and	EPO; JPO;	
		1	wavelet\$1) with (orientation\$1777 the (texture or textural)	DERWENT;	
			(texture or textural)	IBM_TDB	45-456-66-63
	- 1		((((filter\$1 or gabor\$1 or wavelet\$1) with	USPAT;	2003/07/31 16:13
-		l l	/locally came ((filters) of gaborar or	US-PGPUB;	
				EPO; JPO;	
		1	(toxture or textural)) not ((medi or	DERWENT;	
1			nelsi or bixelsi or	IBM_TDB	
1	ļ	1	(   statume add clements])) and (([IIILetal Or		
}			basel or wavelets!) With (Scales!)/ Same		
l			((filter\$1 or gabor\$1 or wavelet\$1) with		
	1		(orientation\$1)))	USPAT;	2003/07/31 16:26
-		184	(texture or textural) with ((mean or	US-PGPUB;	
1			average\$1) near6 (pel\$1 or pixel\$1 or	EPO; JPO;	
1			(picture adj element\$1)))	DERWENT;	}
	į.			IBM_TDB	
	1	1224	(variance) near6 (pel\$1 or pixel\$1 or	USPAT;	2003/07/31 16:27
1 -		1224	(picture adj element\$1))	US-PGPUB;	
1			(produce any	EPO; JPO;	
				DERWENT;	
	ļ	Ì		IBM_TDB USPAT;	2003/07/31 16:34
-	ŀ	21	(texture or textural) same ((mean or	US-PGPUB;	2003,007
			average\$1) near6 (pel\$1 or pixel\$1 or	EPO; JPO;	1
	1	ŀ	(picture adj element\$1))) same ((variance) near6 (pel\$1 or pixel\$1 or (picture adj	DERWENT;	
1			near6 (peisi of pixels) of (piceure day   element\$1)))	IBM_TDB	
	Ì	107043	images1 near8 (search\$3 or quer\$4 or	USPAT;	2003/07/31 16:37
-	Ì	107043	retriev\$3 or match\$3 or similar\$5 or	US-PGPUB;	]
	1		index\$3)	EPO; JPO;	1
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ļ		Ì		IBM_TDB USPAT;	2003/07/31 16:37
_		743	(image\$1 near8 (search\$3 or quer\$4 or	US-PGPUB;	2003,07,02
Į.			retriev\$3 or match\$3 or similar\$5 or	EPO; JPO;	
-			index\$3)) with (texture or textural)	DERWENT;	
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			(sum or summation or adding) near4	USPAT;	2003/07/31 16:43
-		352	differences near4 (variance\$1 or mean or	US-PGPUB;	
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İ			avelagev17	DERWENT;	
				IBM_TDB	2003/07/31 16:41
_		2	((image\$1 near8 (search\$3 or quer\$4 or	USPAT; US-PGPUB;	2003/07/31 10:11
			l rotrievs3 or matchS3 or similar55 or	EPO; JPO;	
			linder(3)) with (texture or textural), and	DERWENT;	
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			differences near4 (variance\$1 or mean or		
			average\$1)) ((sum or summation or adding) near4	USPAT;	2003/07/31 16:43
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			average\$1)) same (texture or textural)	EPO; JPO;	
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_		21	((sum or summation or adding) near4	USPAT;	
İ			differences) with (texture or textural)	US-PGPUB; EPO; JPO;	l l
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-		12	(((filter\$1 or gabor\$1 or wavelet\$1) with (scale\$1)) same ((filter\$1 or gabor\$1 or	US-PGPUB;	
}		1	(scale\$1)) same ((filter\$1 of gabor\$1 of wavelet\$1) with (orientation\$1))) same	EPO; JPO;	
-		1	(texture or textural)	DERWENT;	
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l l		-) come (match\$3 or	uspat;	2000,
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1	1		IBM_TDB	2003/08/19 13:32
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1	36 (	(texture\$1 or textural) near4 (match\$3 (match\$3 or compar\$4)) same (difference imilar\$5 or compar\$4) or variance\$1	EPO; JPO;	1
1	1 _	inilarsh OI company	01   -	1
l l	1 147	ith (means) of a series or (picc	IBM_TDB	
	l a	eviation\$1 or pixel\$1 or pozys5))	USPAT;	2003/08/19 13:28
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		near6 (pel\$1 or pix	US-PGPUB	;
ŀ	17071	(mean or average\$1) near6 (pel\$1 or pix or (picture adj element\$1))	EPO; JPO	;
- 1	1	or (picture ad) elements.	DERWENT;	
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	1824	(texture or textural) and (the start or average \$1) near6 (pel \$1 or pixel \$1 or average \$1)))	EPO; JPC	); \
-		average\$1) nearo (perto	DERWENT	: 1
	1	<pre>(picture adj element\$1)))</pre>	IBM_TDB	
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	368		EPO; JP	0;
-		average\$1) nears (pt=1))) (picture adj element\$1)))	DERWENT	
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\ _	32	garbor\$1	EPO; JI	20;
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1			IBM_TD	2003/07/31 16:12
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		(filter\$1 or gabor\$1 or wavelet\$1) wi	US-PGP	UB;
_	12309	(scale\$1)		PO;
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1			IBM_TD	2003/07/31 15:52
1		and at \$1) W	uspAT;	
	-05	(filter\$1 or gabor\$1 or wavelet\$1) w	US-PGI	TDO:
-	585	(orientation\$1)		or.
1		\—————————————————————————————————————	DERWEI	
			IBM_T	DB 2003/07/31 15:52
	l l	((filter\$1 or gabor\$1 or wavelet\$1)		, ,
	l l	((filter\$1 or gabor\$1 or gabor\$	\$1 or US-PG	JPO:
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-	12	((filter\$1 or gabor\$1 or wavelet\$17) (scale\$1)) same ((filter\$1 or gabor\$1)) wavelet\$1) with (orientation\$1))		
-	12	wavelet\$1) with (orientation\$1)	IBM_T	DB   /07/31 15:5
-	12	wavelet\$1) with (orientation\$1))	or pixel\$1 USPAT	2003/07/31 15:5
-		wavelet\$1) with (orientation\$1))  (mean or average\$1) near6 (pel\$1 or	or pixel\$1 USPAT	TDB 1; 2003/07/31 15:5
-		wavelet\$1) with (orientation\$1)  ((mean or average\$1) near6 (pel\$1 or (picture adj element\$1))) and ((	or pixel\$1 USPAT ((filter\$1 US-PC Le\$1))	TDB 2; 2; 3; 3PO; 2003/07/31 15:5
-		wavelet\$1) with (orientation\$1)  ((mean or average\$1) near6 (pel\$1 or (picture adj element\$1))) and ((	or pixel\$1 USPAT ((filter\$1 US-PC Le\$1))	TDB C; GPUB; JPO; ENT;
-		((mean or average\$1) near6 (pel\$1 or or (picture adj element\$1))) and ((or gabor\$1 or wavelet\$1) with (scal same ((filter\$1 or gabor\$1 or wavel	or pixel\$1 ((filter\$1 (e\$1)) let\$1)  IBM_I USPAT US-PC EPO; DERW IBM_IBM_I	2003/07/31 15:5 GPUB; JPO; ENT; TDB
-		<pre>(scale31), with (orientation\$1)) wavelet\$1) with (orientation\$1))  ((mean or average\$1) near6 (pel\$1 or     (picture adj element\$1))) and ((     or gabor\$1 or wavelet\$1) with (scal     same ((filter\$1 or gabor\$1 or wavel     with (orientation\$1)))</pre>	or pixel\$1 USPAT USPAT USPAT US-PC EPO; DERW IBM_ USPA USPA	2003/07/31 15:5 SPUB; JPO; ENT; TDB T; 2003/07/31 16:0
-		<pre>(scale31), buth (orientation\$1)) wavelet\$1) with (orientation\$1))  ((mean or average\$1) near6 (pel\$1 or     (picture adj element\$1))) and ((     or gabor\$1 or wavelet\$1) with (scal     same ((filter\$1 or gabor\$1 or wavel     with (orientation\$1)))     (treature or textural) same ((mean</pre>	or pixel\$1 ((filter\$1 (E\$1)) let\$1) or USPATUS-PO EPO; DERW IBM_USPA USPA USPA USPA	2003/07/31 15:5 SPUB; JPO; ENT; TDB T; GPUB;
-		<pre>(scale31), with (orientation\$1)) wavelet\$1) with (orientation\$1))  ((mean or average\$1) near6 (pel\$1 or</pre>	or pixel\$1 ((filter\$1 (E\$1)) (let\$1) or or or filter\$1  IBM_I USPATUS-PC EPO; DERW IBM_USPA US-PC EPO;	2003/07/31 15:5 SPUB; JPO; ENT; TDB T; GPUB; JPO;
-		(scales;), with (orientation\$1)  ((mean or average\$1) near6 (pel\$1 or (picture adj element\$1))) and ((or gabor\$1 or wavelet\$1) with (scal same ((filter\$1 or gabor\$1 or wavel with (orientation\$1)))  ((texture or textural) same ((mean average\$1) near6 (pel\$1 or pixel\$1 or gature adj element\$1))) and ((incture adj element\$1)))	or pixel\$1 ((filter\$1 (E\$1)) let\$1) or or filter\$1 le\$1))	2003/07/31 15:5 SPUB; JPO; ENT; TDB T; GPUB; JPO; EENT;
-		(scales;), with (orientation\$1)  ((mean or average\$1) near6 (pel\$1 or (picture adj element\$1))) and ((or gabor\$1 or wavelet\$1) with (scal same ((filter\$1 or gabor\$1 or wavel with (orientation\$1)))  ((texture or textural) same ((mean average\$1) near6 (pel\$1 or pixel\$1 or gature adj element\$1))) and ((incture adj element\$1)))	or pixel\$1 ((filter\$1 (E\$1)) let\$1) or or filter\$1 le\$1))	2003/07/31 15:5 SPUB; JPO; ENT; TDB T; GPUB; JPO;
-		<pre>(scale31), with (orientation\$1)) wavelet\$1) with (orientation\$1))  ((mean or average\$1) near6 (pel\$1 or</pre>	or pixel\$1 ((filter\$1 (E\$1)) let\$1) or or filter\$1 le\$1))	2003/07/31 15:5 SPUB; JPO; ENT; TDB T; GPUB; JPO; EENT;

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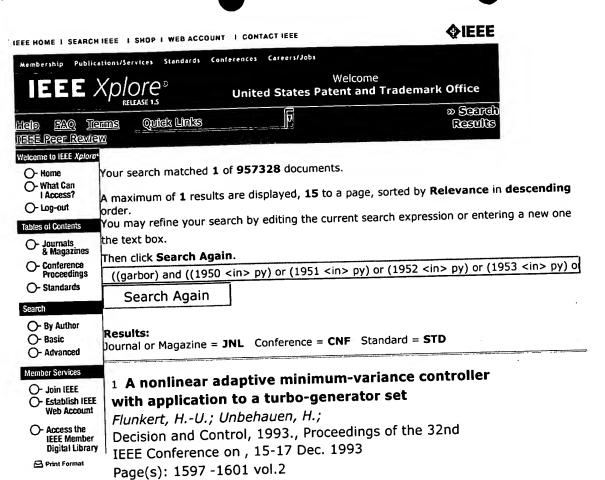
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	18 ((texture or textural) and ((mest) or average\$1) near6 (pel\$1 or pixel\$1 or average\$1) near6 (pel\$1)))) and (((filte:		1	
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	or gabor\$1 or wavelet\$1) with (scale\$5, or gabor\$1 or wavelet\$1 same ((filter\$1 or gabor\$1 or wavelet\$1 same ((respective)))	)   IBM_IDB	1	
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1	wavelet\$1) with (scale\$2) with or gabor\$1 or wavelet\$1) with			- 101 17:05
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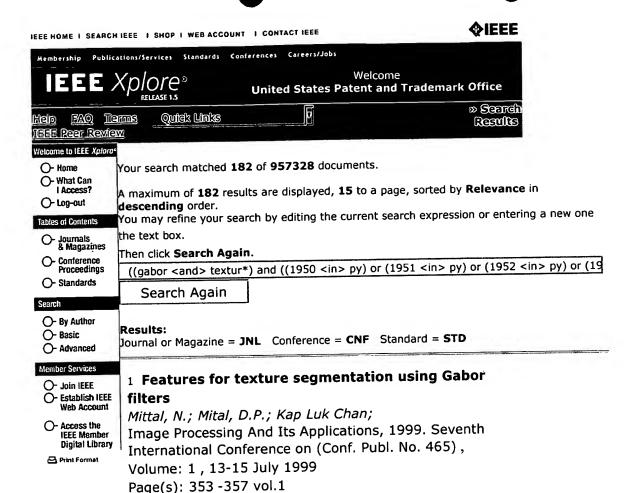
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_	3	differences near4 (variance\$1 or mean or	US-PGPUB;	
		average\$1)) same (texture or textural)	EPO; JPO;	
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	1		IBM TDB	
		((sum or summation or adding) near4	USPAT;	2003/07/31 16:51
-	21	differences) with (texture or textural)	US-PGPUB;	
		differences, with (texture of consular,	EPO; JPO;	
			DERWENT;	
			IBM TDB	
	1.0	(((filter\$1 or gabor\$1 or wavelet\$1) with	USPAT;	2003/07/31 17:05
-	12	(scale\$1)) same ((filter\$1 or gabor\$1 or	US-PGPUB;	•
		wavelet\$1) with (orientation\$1))) same	EPO; JPO;	
		(texture or textural)	DERWENT;	
		(texture or textural)	IBM TDB	
	1358	absolute near4 difference\$1 near4 (mean\$1 or	USPAT;	2003/08/18 12:42
-	1336	average\$1 or variance\$1)	US-PGPUB	
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-	°	or average\$1 or variance\$1)) with texture\$1	US-PGPUB	
	24		USPAT;	2003/08/18 12:45
-	24	or average\$1 or variance\$1)) same texture\$1	US-PGPUB	
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-	10	or average\$1 or variance\$1)) same texture\$1)	US-PGPUB	
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		(absolute near4 difference\$1 near4 (mean\$1	EPO; JPO;	2003/08/18 12:59
-		or average\$1 or variance\$1)) same texture\$1	DERWENT;	1
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	1	(absolute near4 difference\$1 near4 (mean\$1	EPO; JPO;	2003/08/18 12:59
_	1	or average\$1 or variance\$1)) and texture\$1	DERWENT;	
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# 2 Using colour Gabor texture features for scene understanding

Setchell, C.J.; Campbell, N.W.; Image Processing And Its Applications, 1999. Seventh International Conference on (Conf. Publ. No. 465),

Volume: 1, 13-15 July 1999 Page(s): 372 -376 vol.1

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## 3 Writer identification based on handwriting

Said, H.E.S.; Tan, T.N.; Baker, K.D.; Handwriting Analysis and Recognition (Ref. No. 1998/440), IEE Third European Workshop on , 14-15 July 1998

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[Abstract] [PDF Full-Text (448 KB)] IEE CNF

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Member Services  Join IEEE  Establish IEEE Web Account  Access the IEEE Member Digital Library  Print Format	1 Texture feature extraction channel modelling Tan, T.N.; Pattern Recognition, 1992. Speech and Signal Analysis International Conference of Page(s): 607 -610	Vol.III. Conference C: I s, Proceedings., 11th IAF	mage, PR

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## 2 An unsupervised scheme for detection of microcalcifications on mammograms

Bhangale, T.; Desai, U.B.; Sharma, U.; Image Processing, 2000. Proceedings. 2000 International Conference on , Volume: 1 , 10-13 Sept. 2000 Page(s): 184 -187 vol.1

## [Abstract] [PDF Full-Text (412 KB)] IEEE CNF

## 3 Rotated texture classification by improved iterative morphological decomposition

Lam, W.-K.; Li, C.-K.;

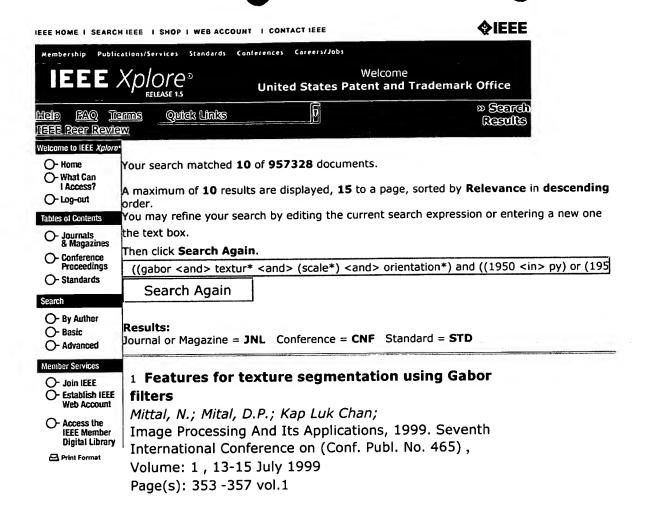
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Volume: 144 Issue: 3, June 1997

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[Abstract] [PDF Full-Text (1028 KB)] IEE JNL

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#### 2 Segmentation of textured images

Perry, A.; Lowe, D.G.; Computer Vision and Pattern Recognition, 1989. Proceedings CVPR '89., IEEE Computer Society Conference on , 4-8 June 1989 Page(s): 319 -325

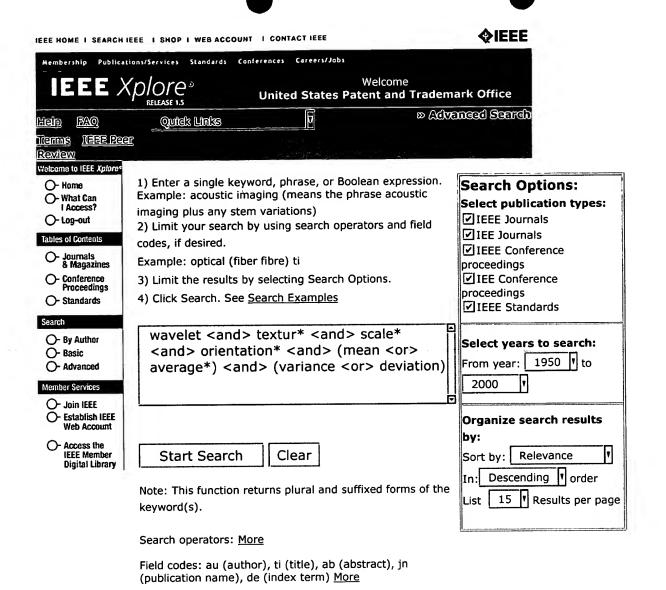
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#### 3 A computational approach to boundary detection

Manjunath, B.S.; Chellappa, R.; Computer Vision and Pattern Recognition, 1991. Proceedings CVPR '91., IEEE Computer Society Conference on , 3-6 June 1991 Page(s): 358 -363

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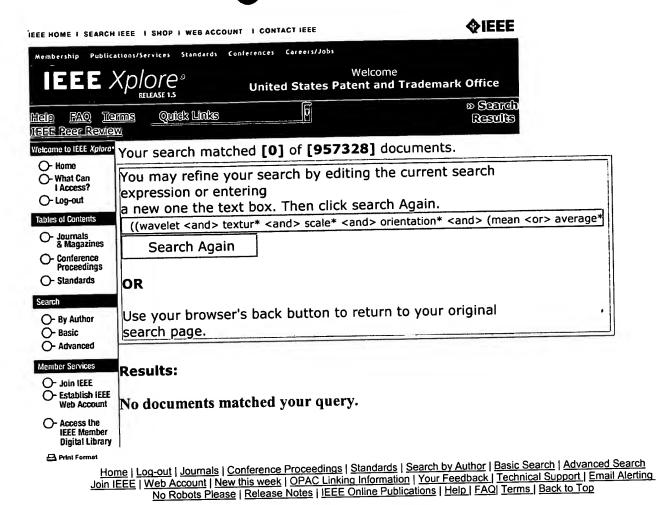
4 Texture segmentation using circular-Mellin

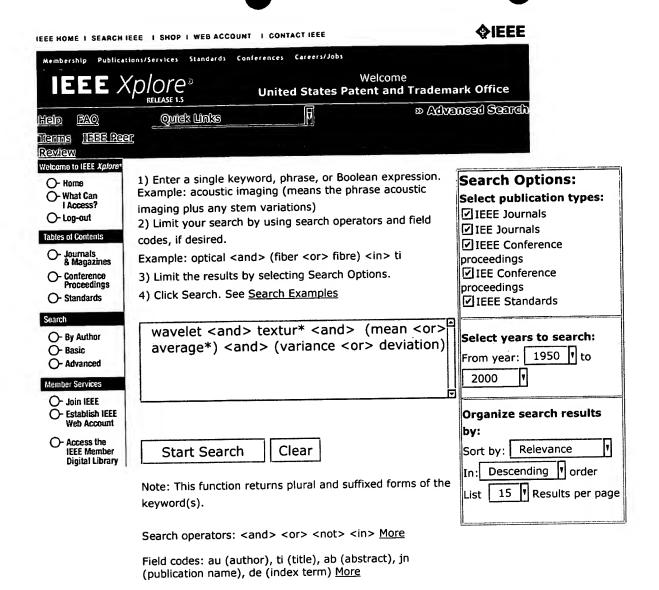


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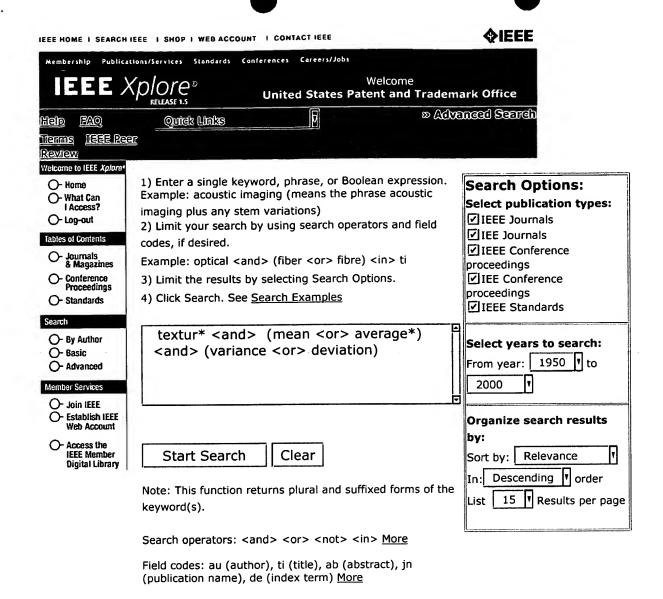


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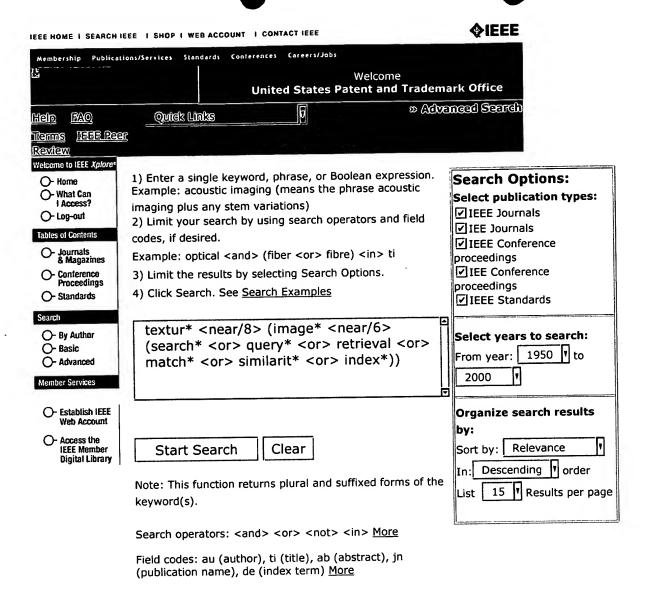
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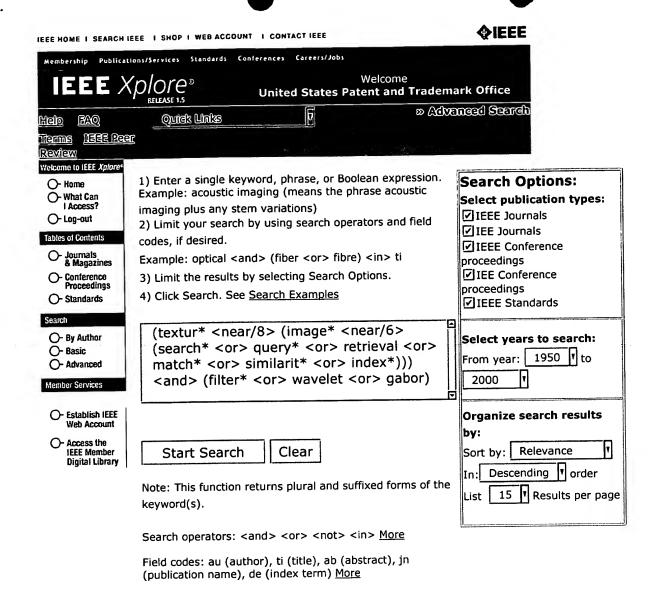
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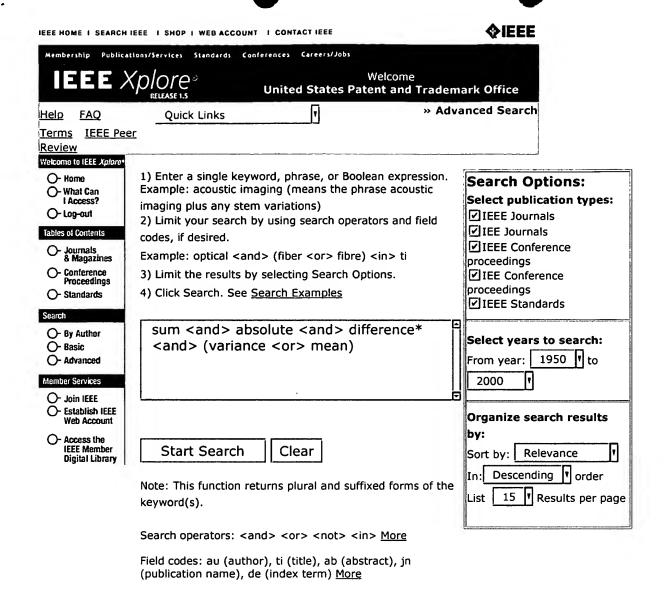
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